

M12 female 0° A-cod. with cable shielded

PUR 4x0.34 shielded gy 12m

Female straight M12, 4-pole shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

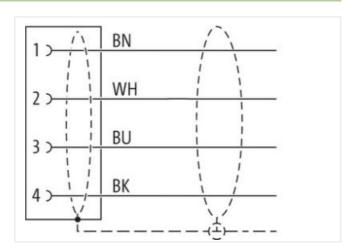
The resistance to aggressive media should be individually tested for your application. Further details on request.

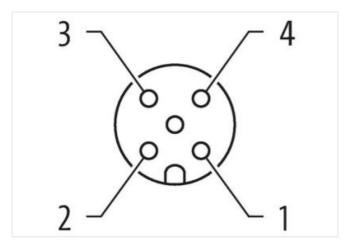
Further cable lengths on request.

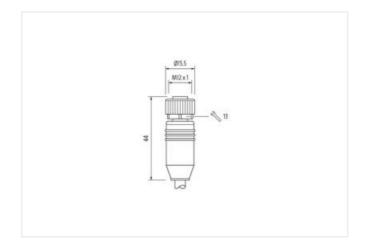
Link to Product

Illustration









Product may differ from Image









Cable length

12 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879591126
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
•	brown black blue white
wire arrangement Cable identification	brown, black, blue, white 331
Capie Identinication	001

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stay connected

Amount stranding 1 Stranding 4 wires twisted Stranding 5 Fleece, Foil Wire arrangement bown, black, blue, white Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 5.9 mm Cluer-diameter (jacket) 5.9 mm Tollerance outer diameter (sheath) ± 5 % Material inversions of the stranding of the str	Jacket Color	gray
Banding Fleece, Foil wire arrangement brown, black, blue, white Material jacket PUR Shore hardness jacket 65 ± 5 Shore A Freedom from ingredents (jacket) 5 mm Clour-diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Tolerance outer diameter (jacket) 9 mm Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Color (inner jacket) gray Material wire insulation 1,4 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A In	Amount stranding	1
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Material Jacket	Banding	Fleece, Foil
Material Jacket	wire arrangement	brown, black, blue, white
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Material jacket	PUR
Outer diameter (jacket) 5,9 mm Tolerace outer diameter (sheath) ± 5 % Material inner jacket PVC Color (nner jacket) gray Material wire insulation PVC Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor or sessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 350 V Max. rated voltage (conductor - ground) 300 V Current load capacity rim, wire 4,8 A Electrical resistance line constant wire 57 O/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (fixed) 30 °C </td <td>Shore hardness jacket</td> <td>85 ± 5 Shore A</td>	Shore hardness jacket	85 ± 5 Shore A
Outer diameter (jacket) 5,9 mm Tolerace outer diameter (sheath) ± 5 % Material inner jacket PVC Color (nner jacket) gray Material wire insulation PVC Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor or sessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 350 V Max. rated voltage (conductor - ground) 300 V Current load capacity rim, wire 4,8 A Electrical resistance line constant wire 57 O/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (fixed) 30 °C </td <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (installation)	x Outer diameter
No. of bending cycles (C-track) O,1 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	10 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	0,1 Mio. @ 25 °C
Travel speed (C-track) 3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3 m/s @ 25 °C